

BHC Panel Adaptor Small

Installation and Maintenance Instructions

1. Description

The BHC Panel Adaptor Small is designed for use with the controllers LCR2250, LCR2251, BCR3150, BTS1050 and enables controller installation in a control cabinet door. It offers the advantage of parameter visibility and setup without opening the cabinets door. The installed adaptor fulfills the protection class IP65.

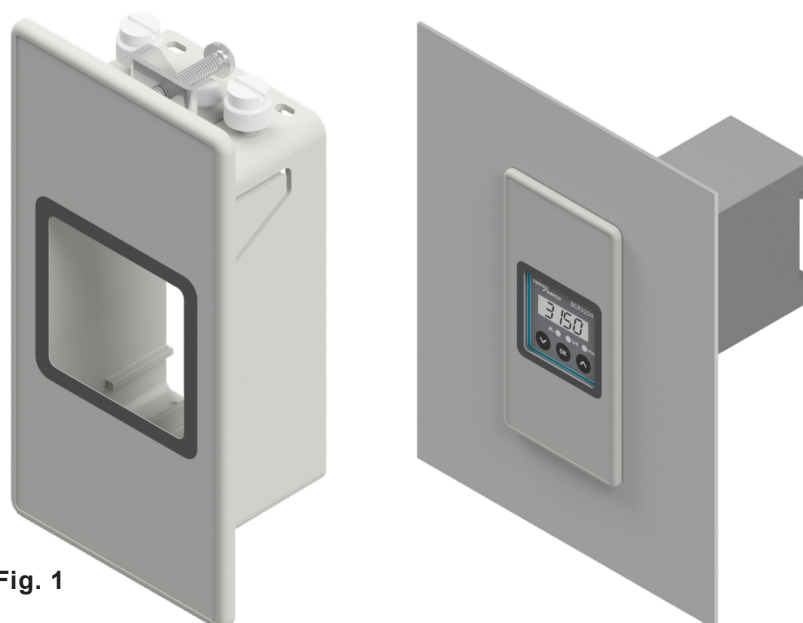


Fig. 1

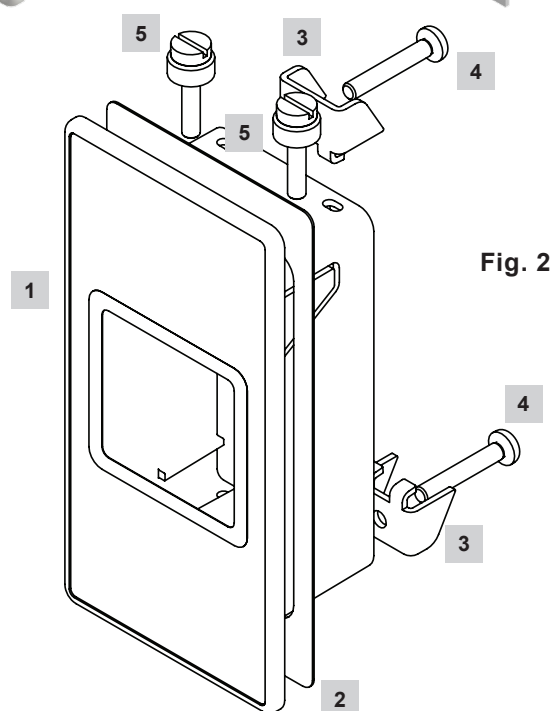


Fig. 2

Parts

Item	
1	Panel adaptor with front membrane
2	Gasket
3	Clamp
4	Screw M5 x 20 ISO 7045 Z
5	Thumb screw M4 x 16

2. Dimensions

(approximate) in mm

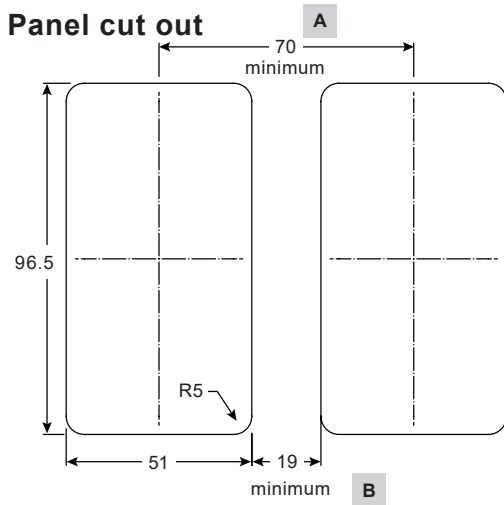


Fig. 3

Panel adaptor

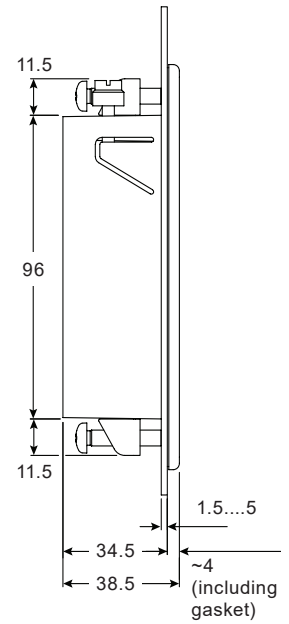
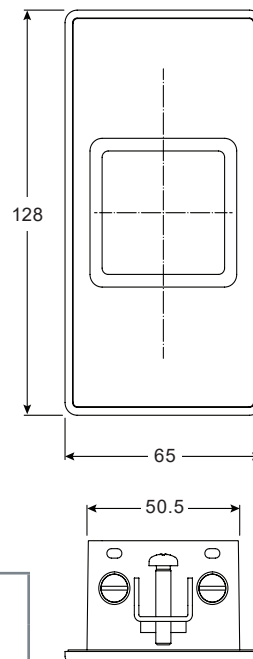


Fig. 4



Note

The centre to centre dimension A is the minimum recommended dimension. Dimension B is dependant on it



Note

When installed in tight enclosures without pressure compensation use a "pressure compensation element" to equalize pressure differences caused by temperature changes. Without pressure compensation moisture can be sucked in and the IP protection can not be guaranteed.

Dimensions of a controller assembled into panel adaptor

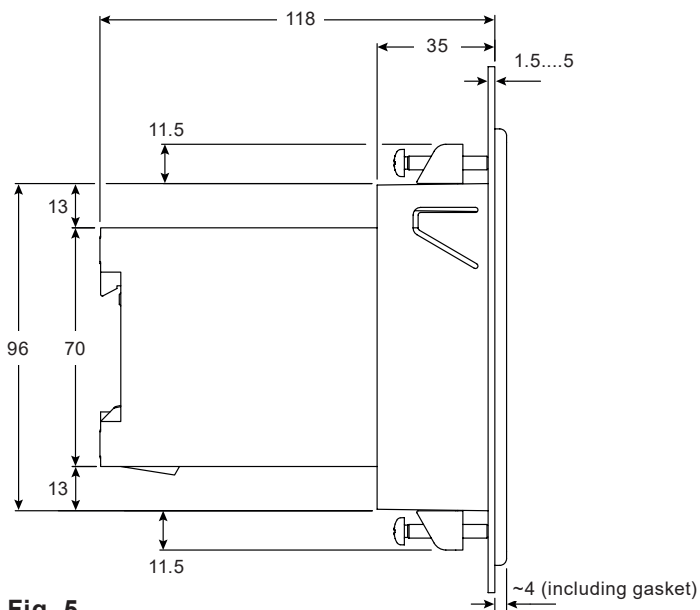
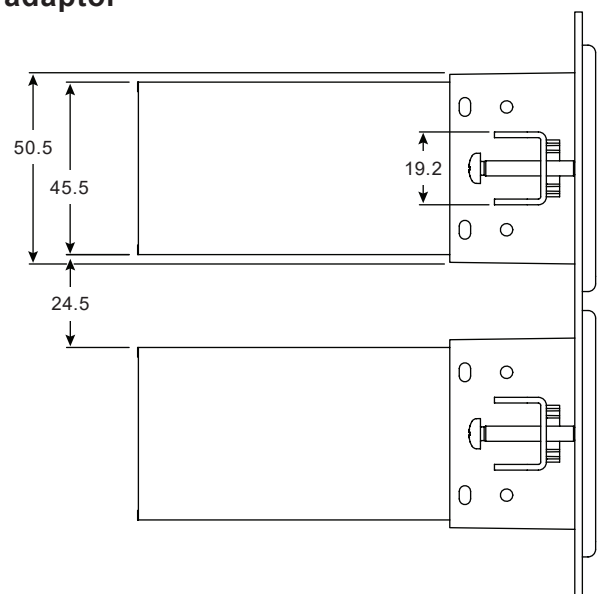


Fig. 5



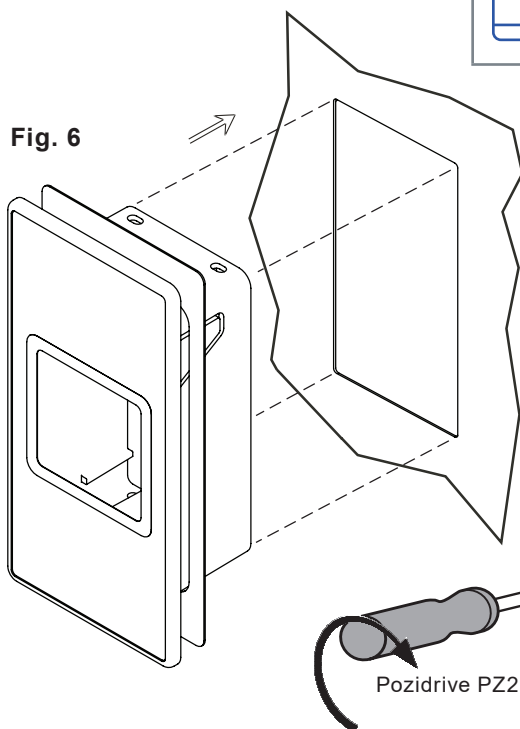
3. Installation



Note

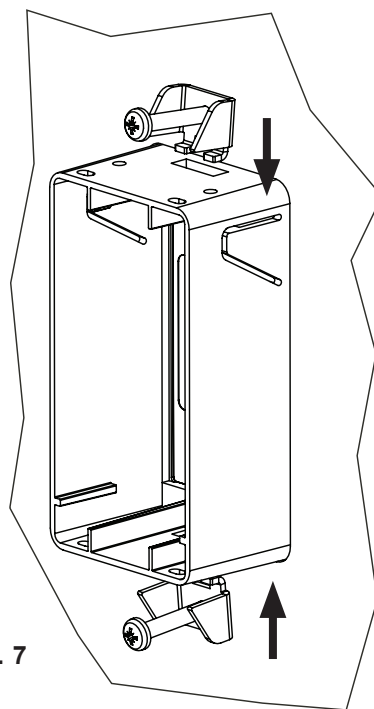
The safety section of the controllers IMI must be read before the installation of the panel adaptor is attempted.

Fig. 6



Pozidrive PZ2

Fig. 7



Note

Torque for clamp screws: 0.3 - 0.4 Nm
Do not over tighten causing excessive bending of the adaptor



Note

The controller must be wired before it is inserted into the adaptor

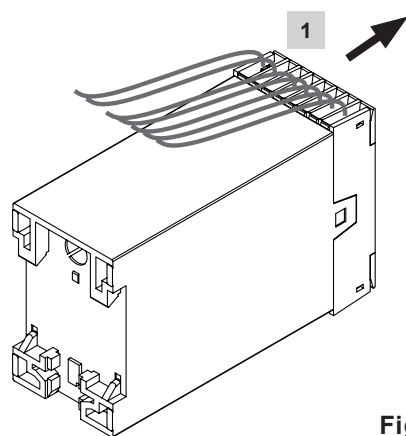
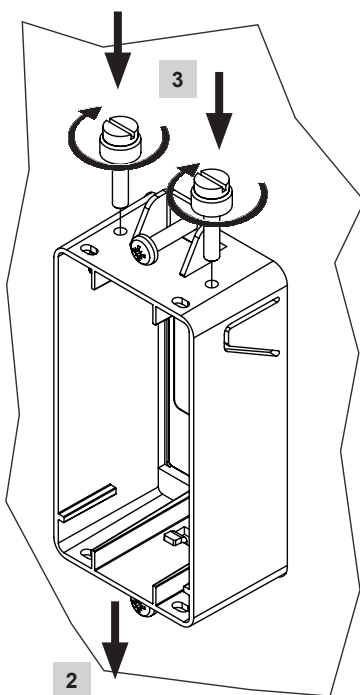


Fig. 8



Note

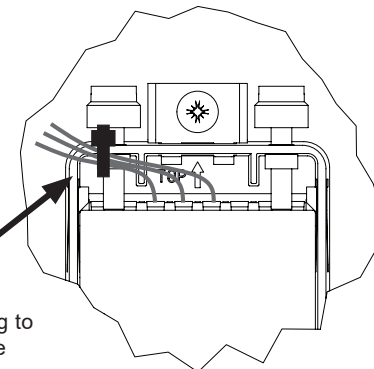
If vibration is expected during transportation or operation of the assembled unit, use a locking medium for the clamp screws (e.g. Loctite low-strength).



Note

Ensure that the wires are not trapped or damaged when the thumb screws are tightened and do not over tighten causing excessive bending of the screws, controller housing or adaptor

Holes are provided for cable ties to secure wiring to adaptor once assembled



4. Removing the controller from the panel adaptor

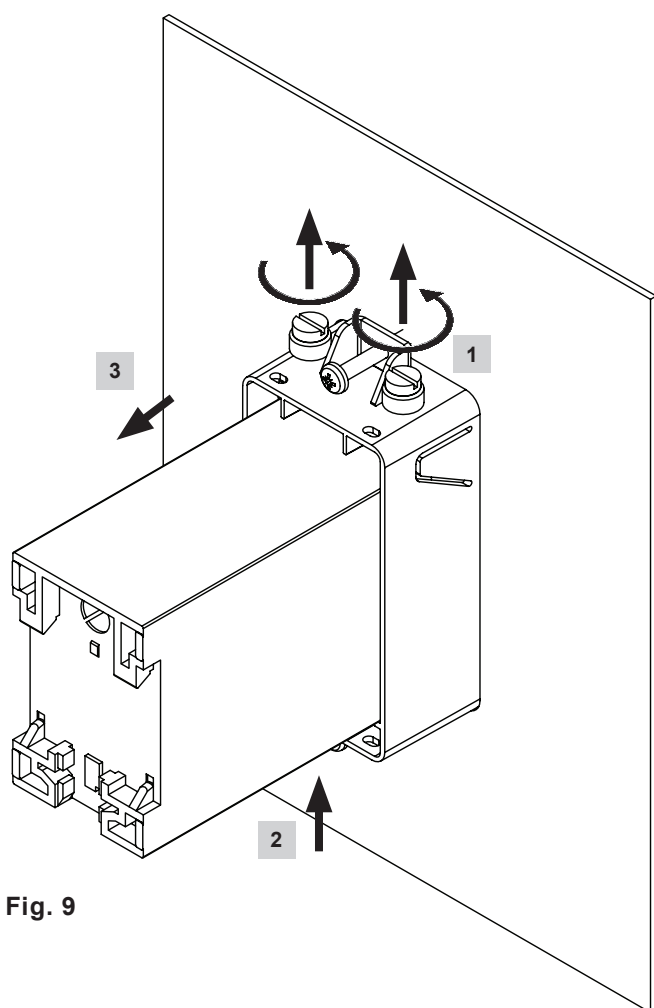


Fig. 9

5. Maintenance

The equipment must be inspected and cleaned regularly to prevent the build-up of dust on the product. The adaptor should only be wiped with a damp cloth using non aggressive cleaning agents. The front membrane and gasket should be regularly inspected for damage.

6. Technical data

Materials	
Panel adaptor	Polycarbonate
Front membrane	Polyester film
Gasket	Cellular rubber
Clamp	Galvanized steel
Screw	Galvanized steel
Thumb screw	Polyamid 6.6

Environmental	
Protection	IP65 when mounted as shown in the installation section
Weight	approx. 0.066 kg (including screws, clamps and gasket)
Ambient temperature	0 to 55°C
Transport temperature	-20 to +80°C
Storage temperature	-20 to +70°C
Relative humidity	max. 95%, no moisture condensation
For Indoor use only	